IN THE CLAIMS:

Please amend claims 1-4, 7 and 14 and add new claim 15 as indicated in the following Listing of Claims.

LISTING OF CLAIMS

- 1 1. (Currently amended) A water filter cartridge,
- 2 especially for treating drinking water in beverage machines or
- 3 drinking water devices, with a replaceable control unit to
- 4 monitor the condition of the water filter cartridge wherein the
- 5 improvement comprises a replaceable control unit having a sensor
- 6 unit (11) with at least one penetrating conductance sensor (13,
- 7 14) that penetrates through a filter cartridge wall without
- 8 contacting a filter granulate or a filter medium.

2. (Currently amended) The water filter cartridge
 2 according to Claim 1 wherein the at least one penetrating
 3 conductance sensor (13) measures conductivity of filtered water.

1 3. (Currently amended) The water filter cartridge
2 according to claim 1 or 2 wherein said at least one penetrating
3 conductance sensor (13) projects penetrates into the housing (2)
4 of through the filter cartridge (1) wall by puncturing through
5 the top wall of the filter cartridge.

4. (Currently amended) The water filter cartridge
 2 according to claim 1 further comprising at least one passage or

- 3 at least one break point for receiving said at least one
- 4 penetrating conductance sensor (13).

1 5. (Previously presented) The water filter cartridge 2 according to claim 1 further comprising a second conductance 3 sensor (14) for measuring the quality of unfiltered water.

1 6. (Previously presented) The water filter cartridge 2 according to claim 1 or 5 further comprising an electronic 3 evaluation unit (19).

7. (Currently amended) The water filter cartridge

- 2 according to one claim 1 or 5 further comprising an electronic
- 3 evaluation unit (19) for taking into account the difference
- 4 between at least two conductance values in performing an
- 5 evaluation.

1 8. (Previously presented) The water filter cartridge 2 according to claim 1 or 5 further comprising a temperature sensor 3 (15).

9. (Previously presented) The water filter cartridge according to claim 1 or 5 further comprising an evaluation unit 3 and a timing element in said evaluation unit.

1 10. (Previously presented) The water filter cartridge 2 according to claim 1 or 5 further comprising a display (16) for 3 displaying the condition of the water filter cartridge (1).

1 11. (Previously presented) The water filter cartridge 2 according to claim 1 further comprising fastening elements (12) 3 to fasten the sensor unit (11) to the filter cartridge (1).

1 12. (Previously presented) The water filter cartridge 2 according to claim 11 wherein at least some of the fastening 3 elements are catches (12).

1 13. (Previously presented) The water filter cartridge 2 according to claim 1 further comprising a beverage machine or 3 drinking water device.

1 14. (Currently amended) A filter cartridge device for 2 treating drinking water in beverage machines or drinking water 3 devices having a housing and a replaceable control unit to 4 monitor the condition of the water filter cartridge wherein the 5 improvement comprises a replaceable control unit having a sensor 6 unit (11) with at least one conductance sensor (13, 14) having at 7 least one needle-shaped electrode for passing through a wall of a 8 filter cartridge without contacting a filter medium and a filter 9 cartridge having a corresponding break point or an area with an 10 elastic sealing material for said at least one needle-shaped 11 electrode and fastening elements (12) being provided to attach 12 the sensor unit (11) to the housing of the filter cartridge (1).

- 1 15. (New) A water filtration apparatus for drinking water 2 comprising:
- 3 (a) a replaceable filter cartridge having a filter
- 4 medium and a break point or an elastic sealing material in a wall
- 5 of said replaceable filter cartridge;
- 6 (b) a replaceable control unit having at least one
- 7 needle-shaped conductance sensor for measuring a quality of
- 8 filtered water and for puncturing through said wall of said
- 9 replaceable filter cartridge at said break point or at said
- 10 elastic sealing material without contacting said filter medium,
- 11 said replaceable control unit having at least one other
- 12 conductance sensor for measuring a quality of unfiltered water;
- 13 and
- (c) an electronic evaluation unit in said replaceable
- 15 control unit for comparing said quality of filtered water with
- 16 said quality of unfiltered water and determining when said
- 17 replaceable control unit has been attached to a new replaceable
- 18 filter cartridge.